WHAT IS CLAIMED IS:

1.   A method of managing data stored in a queue in memory, the method comprising:

reading data from a head of the queue;

updating the location of a latest read pointer to a location corresponding to the end of the data;

transferring the data to a destination; and,

upon receiving confirmation that the data transfer was successful, updating the location of a committed read pointer to a location corresponding to the end of the data.

2.   A method as claimed in claim 1, further comprising:

upon receiving no confirmation or a negative confirmation that the data transfer was successful;

updating the location of the latest read pointer to assume the location of the committed read pointer.

3.   A method according to either preceding claim, further comprising: storing the latest read pointer location and the committed read pointer location, and using the latest read pointer and the committed read pointer to manage data subsequently read from a second queue.

4.   A method according to either of claims 1 and 2, further comprising:

reading second data from the head of the queue;

updating the location of a second latest read pointer to a location corresponding to the end of the second data;

transferring the second data to the destination; and,

upon receiving confirmation that the transfer of the second data was successful, removing the second latest read pointer from the location corresponding to the end of the second data.

5.   A method as claimed in claim 1, further comprising:

writing data to a tail of the queue;

updating the location of a latest write pointer to a location corresponding to the end of the data; and,

upon receiving confirmation that the received data is correct, updating the location of a committed write pointer to a location corresponding to the end of the data.